

## Annual Report

OF THE

HEALTH OF DRONFIELD For 1908.

BY O. H. HUDSON, M.R.C.S.

Medical Officer of Health.



DRONFIELD:

RYDER, PRINTER, PRINCESS BUILDINGS.
1909

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#### 1908.

### SUMMARY OF REPORT.

### DRONFIELD URBAN DISTRICT.

Area: 1046 acres.

Population (census) 1891, 3,438; (census) 1901, 3,809.

Estimated Population, 1908, 3,990.

Number of Occupied Houses: 1901, 871; 1908, 957.

Rateable Value, £11,485. Assessable Value, £9,724.

General District Rate, 4s. 1d.

Poor Rate 4s. 2d. on Buildings, and 2s. 1d. on Agricultural Land.

### Vital Statistics.

Birth Rate per 1,000, 36.

Crude Death Rate per 1,000, 15.5.

Corrected Death Rate per 1000, 17.

Infantile Mortality (Deaths under one year per 1,000 births), 145.

Water Supply:—

Source of Supply: Moorland Water from Chesterfield Rural Sanitary Authority's Mains.

Constant Supply during the year.

Scavenging and Refuse Disposal: By Council's own Carts and Workmen.



### ANNUAL HEALTH REPORT

For 1908.

TO THE CHAIRMAN AND MEMBERS OF THE DRONFIELD URBAN DISTRICT COUNCIL.

GENTLEMEN,

I have pleasure in laying before you my Eighth Annual Report of the Health of the Dronfield Urban District.

Physical Features and General Character of District.—The district lies to the South of Sheffield, and is immediately surrounded by the Chesterfield Rural District. It has an area of 1,046 acres, no part being covered by water, and is hilly in nature. The chief industries are coal mining, iron founding, and edge-tool making.

The Population of the district at the census of 1901 was 3,809, and the number of inhabited houses 871. The estimated population to the middle of 1908 is 3,990, and the number of inhabited houses is 957, giving an average of 4.16 per house.

The Births registered in the District during the year were 144, of which two were illegitimate, giving a rate of 36.09. The rate for the previous ten years is as follows:—

1898 1899 1900 1901 1902 1903 1904 1905 1906 1907 21.726.4 27 34.8  $31.7 \quad 29.6$ 36.326.234 28 giving an average of 29.5

The Deaths registered in the District during the year were 62, giving a crude death-rate of 15.5. Three of these were deaths at the Isolation Hospital who were non-residents of Dronfield. There were also nine deaths of Dronfield residents in Public Institutions beyond the District, viz., three at the Sheffield Royal Hospital, and six at the Chesterfield Union Infirmary, which gives the nett deaths belongling to the District 68, and a corrected death-rate of 17 per 1,000.

The corrected death-rate for the previous ten years is as follows:—

18.8 19.216.2 17.119.415.512.6 13.8 which gives an average of 15.8 per 1,000.

Infantile Deaths (Deaths under one year).—There were 21 deaths of Infants, including one illegitimate, which is equal to an annual rate of 145 per 1,000 births registered.

The rate for the previous ten years was as follows:— which is equal to an average rate of 144.

House Accommodation.—The population works out at 4.16 per house. The houses are in a good state of repair. None have been closed during the year.

Sewerage, and Sewage Disposal.—The main sewer has been extended 150 yards up Gosforth Lane for drainage of new property. A new Detritus Tank has been put down, and a 50 feet Percolating Filter is in a forward state of completion.

Excrement Disposal.—There are 818 houses with privy-middens, 116 with water closets, and 16 with slop water closets. Two cases of defective privies have been improved, and two cases of insufficient closet accommodation have been remedied, and 12 privies have been converted in water closets.

Water Supply.—The supply has been constant throughout the year, and is supplied from the Chesterfield Rural Sanitary Authority's mains.

Lodging Houses.—There is only one in the district, the Bye-laws for which were passed in May, 1877. There is no special mention of the cubic space per bed, but 400 feet per person is allowed, and there are separate arrangements for the sexes.

Medical Inspection of School Children and School Buildings.—Under the Education (Administrative Provisions) Act, 1907, I have examined 120 children of the Cross Lane School, being 38 children who have left school by Dec. 31st, and 82 children who were admitted during the year. The parents were invited to be present during the examination, and about 90 per cent. of the mothers attended, and took an interest in the work. All the children were healthy and well clothed. Five per cent. had defective vision and were recommended to see their family doctor with a view to his prescribing spectacles.

I have also made an examination of the School Buildings and Playgrounds. The buildings are in a good state of repair, and the ventilation of the different class rooms is good. With regard to the cloak rooms I find there is an insufficiency of pegs, and that the top row of pegs is much too high, measuring 6ft. 8in. from floor to top of peg. Also there are no facilities for drying the children's clothes when they come to school in wet weather. In regard to the Girls' school I think there should be another entrance made either into the playground or in the street. At present there is only one entrance, and the cooking stove is just inside. If a fire occurred there would be a panic, and the children would have no means of exit. Both Boys and Infants have a secondary means of exit.

Section 132 of the Factory and Workshops Act, 1891.—In accordance with this Act, I have visited all the Factories and Workshops on the Register, of which there are 34, viz., 15 Factories and 19 Workshops, and in all the cases the sanitary arrangements were satisfactory.

There are no out-workers in the district.

Dairies and Cowsheds.—There are eight of these on the Register, and they have been systematically inspected, and found in a sanitary condition.

**Zymotic Diseases.**—There have been thirty-six cases of Infectious disease notified during the year, viz., Scarlet Fever 29, Diphtheria 4, Erysipelas 1, Puerperal Fever 1, Enteric Fever 1.

Scarlet Fever.—The 29 cases of Scarlet Fever occurred in 21 houses, twenty-two of the cases were treated in the Isolation Hospital and seven were isolated and treated at home. The first nine cases occurred in the early part of the year; the other 20 occurred from September to December. The first outbreak was in September, when four cases occurred simultaneously in one house, and two others in a house next door but one. Directly afterwards two other cases occurred some distance away, but the infection may have been carried from the first cases, as a person was visiting the house who resided where the latter cases developed. Most of the other cases were most likely infected from the same source. One case, reported from Scarsdale Road, fortunately turned out to be of a non-infectious character.

**Diphtheria.**—There were four cases notified, one of which proved fatal. These were all treated at home as there is no accommodation for this disease at the Hospital.

Enteric Fever.—This case was notified, and removed to Hospital, but was discharged in 14 days, as the disease was found to be of a non-infective character.

Puerperal Fever.—Only one case was notified, but on making enquiries I found there had been another case in the District. Both cases had been at ended by the same Midwife. In the case reported it was proved that the disease was due to retained placenta, which the Midwife had failed to discover.

**Erysipelas.**—There was only one case notified, which was of a mild type.

Whooping Cough.—This is not a notifiable disease, but there were two deaths which occurred at the end of May and the beginning of June respectively.

**Diarrhœa.**—There were two deaths from this disease, which is equal to an annual rate of 5 per 1,000.

Malignant Disease.—There was only one death from Cancer, which is equal to an annual rate of .25 per 1,000.

Phthisis and other Tubercular Diseases.— There were five deaths from Phthisis, which is equal to an annual rate of 1.25 per 1,000; and there were also two deaths from general Tuberculosis, which is equal to an annual rate of .5 per 1,000.

**Respiratory Diseases.**—There were six deaths from Bronchitis, and three from Pneumonia, which is equal to an annual rate of 2.26 per 1,000.

Bye-Laws.—New Bye-Laws relating to New Streets and Buildings were passed by your Council during the year. These having received the approval of the Local Government Board are now in force in your district.

I am,

Gentlemen,

Your obedient Servant,
O. H. HUDSON.

February 6th, 1909.

### VITAL STATISTICS OF WHOLE DISTRICT DURING 1908 AND PREVIOUS YEARS.

### DRONFIELD URBAN DISTRICT.

	ted to ear.	Births.		Tota	l Deaths the D	Register istrict,	red in	Non-residents re- n Public Institu- le District.	s regis- titutions	Nett Deaths at all ages	
estimated each year		each year			ı Year Age.	At all	Ages.	on-resid Public District	esident lic Inst Jistrict.	belongin Dist	g to the
No.	Population e		Rate.	Number.	Rate per 1000 Births registered.	Number.	Rate.	Deaths of No gistered in I tions in the I	Deaths of Residents registered in Public Institutions beyond the District.	Number.	Rate.
1898 1899 1900 1901 1902 1903 1904 1905 1906 1907 Averages for years 1898- 1907.	3710 3750 3789 3818 3847 3880 3910 3920 3940 3960 ———	122 111 102 133 122 115 143 103 133 111	21·7 26·4 27 34·8 31·7 29·6 36.3 26·2 33·7 28	25 20 12 17 15 8 13	155 162 235 187 163 104 118 145 60 117	60 64 64 66 67 59 66 59 50 55	16·1 17·1 16·9 17·2 17·4 15·2 16·8 15 12·6 13·8	2 3 3	1 6 7 4 10 4 3 7	65 72 74 63 76 61 50 59	17 18·8 19.2 16·2 19.4 15·5 12·6 14·8
1908	3980	144	36	21	145	62	15.2	3	9	68	17

Institutions within the District receiving sick and infirm persons from outside the District:—

Isolation Hospital, North-east Derbyshire.

Institutions outside the District receiving sick and infirm persons from the District:—

Royal Hospital, Sheffield.

Union Infirmary, Chesterfield.

Is the Union Workhouse within the District? No.

TABLE 2.

### DRONFIELD URBAN DISTRICT.

### CASES OF INFECTIOUS DISEASE NOTIFIED DURING THE YEAR, 1908.

NOTIFIABLE DISEASE.	At all ages.	Under 1.	I to 5.	5 to 15.	15 to 25.	25 to 65.
Diphtheria (including Membranous Croup) Erysipelas	4 1 29 1 1		13	15 1	1	1
Totals	36		13	20	1	2

Total cases removed to Hospital, 23.

Isolation Hospital, North-east Derbyshire—Dronfield.

	Deaths at the subjoined ages of Residents whether occurring in or beyond the District.								
CAUSES OF DEATH	All Ages.	Under 1 year.	I and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.		
Whooping Cough Diphtheria (including Membranous Croup) Diarrhea Enteritis. Puerperal Fever Phthisis (Pulmonary Tuberculosis) Other Tuberculous Diseases Cancer, malignant disease Bronchitis Pneumonia	1 2 2 1 5 2 1 6 3	$\begin{bmatrix} 2 \\ 1 \\ 2 \\ \end{bmatrix}$ $\begin{bmatrix} 1 \\ 3 \\ 2 \end{bmatrix}$	1	1		1 4 1 1	1		
Alcoholism (Cirrhosis of liver) Premature Birth Heart Diseases Accidents Suicides All other causes.	$\begin{bmatrix} 1 \\ 10 \\ 7 \\ 3 \\ 2 \\ 20 \\ \end{bmatrix}$	10	2	1	1	6 2 2 4	1		
All causes	68	21	4	3	1	22	17		

#### TABLE 4.

### INFANTILE MORTALITY DURING THE YEAR 1908.

Deaths from stated Causes in Weeks and Months under One Year of Age.

#### DRONFIELD URBAN DISTRICT.

CAUSE OF DEATH.	Under I Week,	I-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month.	r-2 Months.	2-3 Months.	4-5 Months.	6-7 Months.	8-9 Months.	11-12 Months,	Total Deaths under One Year.
All Causes—Certified Uncertified	7		1		8	4	2	1	3	1	2	21
Common Infectious Diseases— Whooping Cough Diarrhœal Diseases— Diarrhœa, all forms Enteritis, Muco-enteritis, Gastro do. Wasting Diseases— Premature Birth Congenital Defects Atrophy, Debility, Marasmus Tuberculous Diseases Tuberculous Peritonitis: Tabes Mesenterica	6				6	1		1	1	1	1	2 2 2 7 2
Bronchitis			1		1	1	1		1			$\frac{3}{2}$
	7		1		8	4	2	1	3	1	2	21

Population, estimated to middle of 1908, 3,990.

Births in the year—legitimate, 142; illegitimate, 2.

Deaths in the year of legitimate infants, 20; illegitimate infants, 1.

Deaths from all causes at all ages, 68.

### TABLE 5.

### FACTORIES, WORKSHOPS, &c.

### DRONFIELD URBAN DISTRICT.

### 1.—Inspection.

Including Inspections made by Sanitary Inspectors or Inspectors of Nnisances.

	Number of						
PREMISES.	Inspections.	Written Notices.	Prosecutions				
Factories (including Factory Laundries) Workshops (including Workshop	33	1	Nil				
Laundries)	18	1					
Total	51	2					

### 2.—Defects Found.

	Nui	<b>N</b> I		
PARTICULARS.	Found.	Remedied	Referred to H.M. Inspector.	Prosecutions
Want of drainage of floors Other Nuisances	1 1	1	Nil	Nil
Total	2	2		

### 4.—REGISTERED WORKSHOPS.

Worshops on the Register (s. 131) at the end of year:—

Dressmakers	 	• • •		• • •	 	5
Millinery	• • •	• • •		• • •	 	2
Axe Heads					 	2
Shovels, etc.	 	• • •			 	1
Wickerwork	 	• •			 	1
Joinery	 		• • •		 	5
Bootmaking	 • • •				 	2
Blacksmith	 			7 0 0	 	1

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SUMMARY OF WORK DONE in the Inspector of Nuisances Department from Jan. 1st, 1908, to Dec. 31st, 1908.

Precautions taken by Inspector against Infectious Disease, the Sale of Adulterated Food and Drugs and Unsound Meat, and under the Canal Boats Act.	22 cases of Scarlet Fever and one of Enteric Fever have been removed to the Hospital during the year. 26 houses have been disinfected by the Authority.  Samples of Water submitted for analysis. None.  Factories and Workshops have been inspected, and systematic inspection of the district carried out.	
	9	
Infected Houses.  Houses Disinfected	56	119
Houses Repaired. Number of		
Informal Notices to Repair Houses.  Number of		<u> </u>
Nuisances abated.	10 E 1 C C C C C C C C C C C C C C C C C C	127
Legal Notices served by Authority.	132 12	20 1
Informal Notices served by Inspector.	221 201 202 203 203 203 203 203 203 203 203 203	5 90
Number of Notices served for infringe-ments of Bye-Laws.	2 2 7	20
Number of Inspections.	28 10 10 81	2 68
Number on Register	100 100 110	
DESCRIPTION OF NUISANCE,	Dwelling Houses  No disconnection of Waste Pipe Defective Traps, Inlets, and Drains Drains obstructed. Insanitary Privies and Ashpits. Insufficient Closet accommodation Conversion of Privies into W.C.'s Defective Water Closets Surface of Courts and Yards. Eaves-spouts and Down-spouts. Urinals defective Water Supply. Offensive Accumulations Animals improperly kept Pigsties. Smoke Nuisances. Overcrowding Foul Conditions of Houses. Dairies, Cowsheds and Milkshops. Bakehouses Slaughter Houses Offensive Trades Common Lodging Houses Factories and Workshops	Totals

Area of District, 1,046 Acres. Estimated No. of Houses, 957. New Houses erected 1908, 7.

T. H. ATKINSON, Inspector of Nuisances.



